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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/784,021	02/20/2004	Vijay L. Asrani	CE12619JAN	1749		
34952 75	90 04/28/2005 -		EXAM	INER		
•	, GIBBONS, GUTMAN	, BONGINI	NASRI, JA	NASRI, JAVAID H		
& BIANCO P.L 551 N.W. 77TH	 I STREET, SUITE 111	·	ART UNIT	PAPER NUMBER		
BOCA RATON			2839			
			DATE MAILED: 04/28/200	5		

Please find below and/or attached an Office communication concerning this application or proceeding.

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·	Application No.	Applicant(s)	
	10/784,021	ASRANI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Javaid Nasri	2839	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address -	•
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the management of the period for reply will.	N. R 1.136(a). In no event, however, may a reply within the statutory minimum of third will apply and will expire SIX (6) MOI atute, cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communicat BANDONED (35 U.S.C. § 133).	tion.
Status			
1) Responsive to communication(s) filed on _			
· _ · · · · · · · · · · · · · · · · · ·	his action is non-final.		
3) Since this application is in condition for allo		ters, prosecution as to the merits	is
closed in accordance with the practice unde	•	· · · · · · · · · · · · · · · · · · ·	
Disposition of Claims			
4)⊠ Claim(s) <u>1-18</u> is/are pending in the applicati	ion.		
4a) Of the above claim(s) is/are without	drawn from consideration.		
5) Claim(s) is/are allowed.		,	
6)⊠ Claim(s) <u>1-18</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	d/or election requirement.		
Application Papers			
9) The specification is objected to by the Exam	iner.		
10)⊠ The drawing(s) filed on 20 February 2004 is	/are: a)⊠ accepted or b)□	objected to by the Examiner.	
Applicant may not request that any objection to t	the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the core	rection is required if the drawing	(s) is objected to. See 37 CFR 1.121	l (d).
11) The oath or declaration is objected to by the	Examiner. Note the attache	d Office Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the p 	ents have been received. ents have been received in A	application No	
application from the International Bur	eau (PCT Rule 17.2(a)).	_	
* See the attached detailed Office action for a	list of the certified copies not	received.	
Attachment(s)	 .		
 Notice of References Cited (PTO-892) Dotice of Draftsperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413) s)/Mail Date	
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date <u>2/20/04</u>. 		nformal Patent Application (PTO-152)	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Nguyen et al (5,491,604).

Nguyen et al discloses, **for claim 1**, a ground point (29d, 29b, 29c); a ground point coupling element (29b, 29c) coupled to the ground point; a first conductive surface (27) of a device enclosure, conductively isolated from the ground point; and a second conductive surface (29a), conductively coupled to the ground point coupling element and physically separated from the first conductive surface, positioned so as to capacitively couple to the first surface with a predetermined capacitance within an RF band of interest, **for claim 2**, electronic device containing the ground point, the first conductive surface and the second conductive surface, the electronic device being one of a wireless device and a portable computing device (see col. 1, lines 20-26), **for claim 3**, at least one of an antenna RF drive point and an RF amplifier output (see col. 1, lines 20-26), **for claim 4**, the ground point coupling element being reactively coupled to and conductively isolated from the ground point, **for claim 5**, at least one additional conductive surface (25), each of the at least one additional conductive surface conductively isolated from the first conductive surface (27) and positioned so as to capacitively couple to the first surface with a

respective pre-determined capacitance, and each of the at least one additional conductive surface being coupled to the ground point (29d), for claims 6 and 7, each of the at least one additional conductive surface (25) is coupled to the ground point (29d) through a respective coupling element (29b) that has a respective pre-determined impedance, for claim 8, the second conductive ground point coupling element being conductively coupled to the ground point, for claim 9, the ground point coupling element comprises a yieldable contact, conductively connected to the second conductive surface, that yieldably engages the ground point, for claim 10, a conductive element that forms at least part of a conductive path conductively coupling the second conductive surface to the ground point coupling element, the conductive element having an inductance that operates in conjunction with the pre-determined capacitance to exhibit a predefined impedance between the ground point and the first conductive surface near at least one RF frequency, for claim 11, a yieldable contact that yieldably engages the ground point, the second conductive surface engaging a first end of the conductive element and the yieldable contact engaging a second end of the conductive element, conductively connected to the second conductive surface, for claim 12, a substantially non-conductive support structure, the second conductive surface being attached to the substantially non-conductive support structure and the substantially non-conductive support structure engaging the first conductive surface so as to maintain a pre-defined separation between the first conductive surface and the second conductive surface (see figure 1b), for claim 13, a conductive element that forms at least part of a conductive path conductively coupling the second conductive surface to the ground point, the conductive element having an inductance that operates in conjunction with the pre-determined capacitance to exhibit a pre-defined impedance between the ground point and the first conductive Art Unit: 2839

surface near at least one RF frequency, for claim 14, a yieldable contact that engages the conductive element at a second end, the yieldable contact yieldably engages the RF ground point, for claim 15, the second conductive surface, conductive element and yieldable contact form a yieldable clip that is formed from a yieldable, conductive material, the yieldable clip adapted to attach to the substantially non-conductive surface, for claim 16, at least one of a receiver that wirelessly receives transmitted signals and a transmitter that wirelessly transmits signals (see col. 1, lines 20-26), and an RF grounding structure, comprising: a ground point (29d); a first conductive surface (27) of a device enclosure, conductively isolated from the ground point; and a second conductive surface (29a), conductively coupled to the ground point and physically separated from the first conductive surface, positioned so as to capacitively couple to the first surface with a pre-determined capacitance within an RF band of interest, for claim 17, at least one antenna coupled to the at least one receiver and transmitter (see col. 1, lines 20-26), for claim 18, a device enclosure, at least one of an receiver that wirelessly receives transmitted signals and a transmitter that wirelessly transmits signals; a baseband processing portion, communicatively coupled to the at least one receiver and transmitter, that processes at least one of data, voice, image and video signals in order to interface with at least one of the receiver and the transmitter (see col. 1, lines 20-26); an RF grounding structure, comprising: a ground point (29d); a first conductive surface (27) of the device enclosure, conductively isolated from the ground point; and a second conductive surface (29a), conductively coupled to the ground point and physically separated from the first conductive surface, positioned so as to capacitively couple to the first surface with a pre-determined capacitance within an RF band of interest.

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Contact

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javaid Nasri whose telephone number is 571 272 2095. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tulsidas C. Patel can be reached on 571 272 2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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MC

Jhn

April 25, 2005